| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
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10/690,413

Examiner

Kristen Mullen

Date

Applicant(s)/Patent under Reexamination

CHOW ET AL.

Art Unit

3762

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
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| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

|  | -                                |              |          |          |  |          |          |  |  |          |  |  |
|--|----------------------------------|--------------|----------|----------|--|----------|----------|--|--|----------|--|--|
| Cla  | im                               | n Date       |          |          |  |          |          |  |  |          |  |  |
| Final  | Original                         | 7/11/05      |          |          |  |          |          |  |  |          |  |  |
|  | 1                                | =            |          |          |  |          |          |  |  |          |  |  |
|  | 2                                | =            |          |          |  |          |          |  |  |          |  |  |
|  | 1 2 3                            | =            |          |          |  |          |          |  |  |          |  |  |
|  | 4<br>5                           | =            |          |          |  |          |          |  |  |          |  |  |
|  | 5                                | =            |          |          |  |          |          |  |  |          |  |  |
|  | 6                                | =            |          |          |  |          |          | _  |  | $\Box$   |  |  |
|  | 7                                | =            |          |          |  |          |          |  |  | Щ        |  |  |
|  | 8                                | =            |          |          |  |          |          |  |  | _        |  |  |
|  | 9                                | =            |          |          |  | _        |          | _  | _  |          |  |  |
|  | 10                               | =            |          | _        | -  |          |          |  |  | $\vdash$ |  |  |
| <u> </u>   | 12                               | =            | _        | -        | Н  |          |          |  | H  | $\vdash$ |  |  |
|  | 13                               | =            | _        |          |  | _        |          | _  | H  |          |  |  |
| <del>                                     </del> | 14                               | =            | $\vdash$ | $\vdash$ |  | _        | -        |  | М  |          |  |  |
|  | 11<br>12<br>13<br>14<br>15<br>16 | =            | H        |          |  |          | _        |  |  |          |  |  |
|  | 16                               | =            |          |          |  |          | _        |  |  |          |  |  |
|  | 17<br>18<br>19                   | =            |          |          |  |          |          |  |  |          |  |  |
|  | 18                               | =            |          |          |  |          |          |  |  |          |  |  |
|  | 19                               |              |          |          |  |          |          |  |  |          |  |  |
|  | 20<br>21                         |              |          |          |  |          |          |  |  |          |  |  |
|  | 21                               |              |          |          |  | _        |          |  |  | _        |  |  |
| ļ  | 22                               | <u> </u>     | <u> </u> | _        |  |          |          |  |  | _        |  |  |
| <u> </u>   | 23<br>24                         | <u> </u>     | ļ        |          |  |          |          |  | <u> </u>   | <u> </u> |  |  |
| <b>├</b>   | 25                               |              |          |          |  | _        |          |  |  | <u> </u> |  |  |
|  | 25                               | H            |          | -        | _  |          |          | -  | -  | $\vdash$ |  |  |
| <u> </u>   | 26<br>27                         |              | ⊢        | -        | -  |          |          | -  | ┝  |          |  |  |
|  | 28                               | H            |          |          | -  |          | $\vdash$ |  | $\vdash$   | Н        |  |  |
|  | 29                               |              |          |          | -  |          | $\vdash$ | -  |  |          |  |  |
| r  | 30                               | Н            |          | _        |  |          | $\vdash$ | _  |  |          |  |  |
|  | 31                               |              | $\vdash$ | -        | <u> </u>   |          |          |  |  |          |  |  |
|  | 32                               |              |          |          |  |          |          |  |  |          |  |  |
|  | 33                               |              |          |          |  |          |          |  |  |          |  |  |
|  | 34                               | Ĺ            |          |          | Ĺ  |          |          | <u> </u>   | _  |          |  |  |
|  | 35                               | _            |          | <u> </u> | _  | <u> </u> | _        |  | _  | <u> </u> |  |  |
| <u></u>  | 36                               | _            | <u> </u> | ــــ     |  | <u> </u> | L        | <b>├</b> —                                       | <u> </u>   | <u> </u> |  |  |
|  | 37                               | _            | <u> </u> | $\vdash$ | $\vdash$   | <u> </u> | <u> </u> | $\vdash$   | $\vdash$   |          |  |  |
| <u> </u>   | 38                               | -            | -        | -        | -  | ├—       | $\vdash$ | ⊢  |  | -        |  |  |
| <u> </u>   | 39<br>40                         | <del> </del> |          | -        | $\vdash$   | $\vdash$ | $\vdash$ | ├  | $\vdash$   | $\vdash$ |  |  |
| -  | 41                               | ╁╌           | $\vdash$ | 1-       | $\vdash$   | ├-       |          | $\vdash$   |  |          |  |  |
|  | 42                               | $\vdash$     | $\vdash$ | 1        | <del>                                     </del> | ┢        | $\vdash$ |  | <del>                                     </del> | -        |  |  |
|  | 43                               | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   | 1        | $\vdash$ | <del>                                     </del> | ┢  |          |  |  |
|  | 44                               | Г            | Т        | 1        | T  | T        | $\vdash$ | <del>                                     </del> | Т  | Г        |  |  |
|  | 45                               | Ι            | Г        |          |  |          |          |  | L  |          |  |  |
|  | 46                               |              |          |          |  |          |          | L  | $\Box$   |          |  |  |
|  | 47                               |              |          |          |  |          |          |  |  |          |  |  |
|  | 48                               |              | 匚        |          | $\Box$   | 匚        |          |  |  | ļ        |  |  |
|  | 49                               | 匚            | Ĺ        |          |  |          |          | _  | $oxed{oxed}$                                     | <u> </u> |  |  |
| 1  | 50                               | 1            | 1        | 1        | l  | 1        | 1        | l  | ı  | I        |  |  |

|   | 1111     |              |  |  |  | Jak  |          |  |          |               |   |             | 11111    |                   |          | _        |            | 7011     |              |                |          | _         |
|---|----------|--------------|--|--|--|--|----------|--|----------|---------------|---|-------------|----------|-------------------|----------|----------|------------|----------|--------------|----------------|----------|-----------|
|   | Original | 7/11/05      |  |  |  |  |          |  |          |               |   | Final       | Original |                   |          |          |            |          |              |                |          |           |
| 7 | 1        | =            |  |  |  |  |          |  |          |               |   |             | 51       |                   |          |          |            |          |              |                | $\neg$   | $\neg$    |
| 7 | 2        | =            | _  | _  |  |  |          |  |          |               |   |             | 51<br>52 |                   |          |          |            |          |              |                | $\neg$   |           |
| ┪ | 3        | =            |  |  | _  |  |          |  |          |               |   |             | 53       |                   |          |          |            |          |              |                |          |           |
| 7 |          | =            | _  |  |  |  | _        |  | П        |               |   |             | 54       |                   |          |          |            |          |              |                | $\neg$   |           |
| 7 | 5        | =            | _  |  |  |  |          |  |          |               |   |             | 55       | -                 |          |          |            |          |              |                |          |           |
| ┪ | 6        | =            |  |  | _  |  |          |  |          |               |   |             | 56       |                   |          |          |            |          |              |                |          | П         |
| 1 | 7        | =            |  |  | _  |  |          |  | _        | $\overline{}$ |   |             | 57       |                   |          |          |            |          |              |                |          | П         |
| ٦ | 8        | =            |  |  |  |  |          |  |          |               |   |             | 58       |                   |          |          |            |          |              |                |          |           |
| ┪ | 9        | =            |  |  |  |  |          |  |          |               |   |             | 59       |                   |          |          |            |          |              |                |          |           |
| T | 10       | =            |  |  |  |  |          |  |          |               |   |             | 60       |                   |          |          |            |          |              |                |          |           |
|   | 11       | =            |  |  |  |  |          |  |          |               |   |             | 61       |                   |          |          |            |          |              |                |          |           |
| ٦ | 12       | =            |  |  |  |  |          |  |          |               |   |             | 62       |                   |          |          |            |          |              |                |          |           |
|   | 13       | =            |  |  |  |  |          |  |          |               |   |             | 63       |                   |          |          |            |          |              |                |          |           |
| ┨ | 14       | =            |  |  |  |  |          |  |          |               |   |             | 64       |                   |          |          |            |          |              |                |          |           |
|   | 15<br>16 | =            |  |  |  |  |          |  |          |               |   |             | 65       |                   |          |          |            |          |              |                |          |           |
|   | 16       | =            |  |  |  |  |          |  |          |               |   |             | 66       |                   |          |          |            |          |              |                |          | Ш         |
|   | 17       | =            |  |  |  |  |          |  |          |               |   |             | 67       |                   |          |          |            |          |              |                |          |           |
|   | 18<br>19 | =            |  |  |  |  |          |  |          |               |   |             | 68       |                   |          |          |            |          |              |                |          | L         |
|   | 19       |              |  |  |  |  |          |  |          |               |   |             | 69       |                   |          |          | _          |          |              |                |          |           |
|   | 20       |              |  |  |  | <u> </u>   |          |  |          | <u>_</u>      |   |             | 70       | _                 | <u> </u> |          |            |          |              |                |          | <u> </u>  |
|   | 21       | _            |  |  |  | _  |          |  |          | _             |   |             | 71       |                   |          |          | _          |          |              |                |          | Ш         |
|   | 22       | _            |  |  |  |  |          |  |          |               |   |             | 72       |                   |          |          | <u> </u>   |          |              |                |          | $\square$ |
|   | 23       |              |  |  |  | L  |          |  | L.       | <u> </u>      |   |             | 73       |                   |          |          |            |          |              |                |          | $\sqcup$  |
|   | 24       |              | _  |  |  | _  |          |  |          |               |   |             | 74       | _                 | _        |          |            |          |              |                |          | Ш         |
| _ | 25       |              | _  | L  | _  |  |          | _  |          | _             |   |             | 75       |                   |          |          |            |          |              |                |          | Н         |
| _ | 26<br>27 | _            | <u> </u>   | _  | _  | _  |          | _  | _        | _             | ! | <u> </u>    | 76       |                   | _        | <u> </u> | -          |          |              |                |          | Н         |
| _ | 27       | _            |  | _  | _  | <u> </u>   | _        |  |          | <u> </u>      | · |             | 77       |                   | <u> </u> |          | <u> </u>   | _        | _            |                | _        | Н         |
|   | 28       |              |  | <u> </u>   | -  | ┡  | <u> </u> | -  | $\vdash$ |               | ŀ |             | 78       | -                 | -        |          |            | -        | $\vdash$     | _              |          | Н         |
| _ | 29       | -            |  | _  | ├  | _  | <u> </u> | -  |          | _             | ł | <u> </u>    | 79       | -                 |          |          | $\vdash$   | ┝        | -            |                |          | Н         |
| _ | 30       |              | <del> </del>                                     |  | <del> </del>                                     | H  | ┝        | <del> </del>                                     | -        | -             | ł | <del></del> | 80<br>81 | <del> </del>      |          | -        | $\vdash$   | ┝        | H            |                |          | Н         |
| _ | 31<br>32 |              | <del> </del>                                     | ⊢  | <del> </del>                                     | H  |          |  | $\vdash$ | $\vdash$      | 1 |             | 82       | -                 |          | _        |            | -        | $\vdash$     | _              | _        | $\vdash$  |
| - | 33       |              | -  | -  | -  | $\vdash$   | ┢        |  |          |               |   |             | 83       | -                 | -        |          |            | -        | $\vdash$     |                | $\vdash$ |           |
|   | 34       | -            | ⊢  | ┢╾   | _  | _  |          | ┢  |          | -             | 1 |             | 84       |                   | -        | -        |            | $\vdash$ | -            | -              | -        | Н         |
| - | 35       | -            | <del>                                     </del> | -  | <del>                                     </del> | <del>                                     </del> | -        | <del>                                     </del> | -        | -             | 1 |             | 85       |                   | -        |          |            |          |              | _              | -        |           |
|   | 36       | <del> </del> |  | <del>                                     </del> |  |  |          | Ι  |          | Т             | 1 |             | 86       |                   | $\vdash$ | <u> </u> |            |          |              |                |          | П         |
| _ | 37       | $\vdash$     | $\vdash$   | $\vdash$   |  |  | H        | <del>                                     </del> |          |               | 1 |             | 87       | $\vdash$          |          |          |            |          |              |                |          | П         |
| _ | 38       |              | -  |  |  |  | $\vdash$ |  |          |               | 1 |             | 88       | Г                 |          |          |            |          | $\Box$       |                |          | П         |
|   | 39       | T            |  |  |  |  |          | Г  |          |               | 1 |             | 89       |                   |          |          |            |          | Г            |                |          | П         |
| _ | 40       |              |  |  |  |  |          |  |          |               | 1 |             | 90       |                   |          |          |            |          |              |                |          |           |
|   | 41       |              |  |  |  |  |          |  |          |               | ] |             | 91       |                   |          |          |            |          |              |                |          |           |
|   | 42       |              |  |  |  | Π  |          |  |          | Π             | ] |             | 92       |                   |          |          |            |          |              |                | <u> </u> |           |
| _ | 43       |              |  |  |  |  |          |  |          |               | ] |             | 93       |                   |          |          |            |          | 匚            |                |          |           |
| _ | 44       | Ĺ            |  |  |  |  |          | Ι.   |          | L             | ] |             | 94       |                   |          |          |            |          |              | _              |          | Ш         |
|   | 45       |              |  |  |  |  |          |  | L        | L             | ] |             | 95       |                   |          |          | L          | _        | <u></u>      | L              | <u> </u> | Ш         |
|   | 46       | 匚            |  | L  | lacksquare                                       | L  | $\Box$   | ļ  | L        |               |   |             | 96       | <u> </u>          |          | <u> </u> | <u> </u>   | <u> </u> | L_           | <u> </u>       | <u> </u> | Щ         |
| _ | 47       |              |  | L  |  |  | <u> </u> |  |          | <u> </u>      | 1 |             | 97       | $ldsymbol{f eta}$ | L_       | <u> </u> | L_         |          | _            | <u> </u>       | _        | Ш         |
|   | 48       |              | L  |  | $ldsymbol{f eta}$                                | <u> </u>   | L        |  | <u> </u> | ļ.            | 1 |             | 98       | <u> </u>          | <u> </u> | _        |            | <u> </u> | <u> </u>     | _              | <u> </u> | $\sqcup$  |
|   | 49       | <b>—</b>     | ـ  | <u> </u>   | _  | <del> </del>                                     | _        | <u> </u>   | ⊢-       | <u> </u>      | 1 |             | 99       |                   | ₩.       | <u> </u> | <u> </u>   |          | <del> </del> | <del> </del> — |          | $\vdash$  |
|   | 50       |              | <u>L</u>   | l  | L  | <u> </u>   | <u> </u> | <u> </u>   | <u> </u> | <u>L_</u>     | J |             | 100      | <u> </u>          | L        |          | <u>L</u> . | L_       | <u> </u>     | L              | L        | ш         |

| CI   | aim   | Date     |  |          |  |              |          |               |          |                |
|--|---|----------|--|----------|--|--------------|----------|---------------|----------|----------------|
|  | Γ.  |          |  |          | ΠĬ   | Ť            |          |               |          | $\neg$         |
| Final  | Original  |          |  |          |  |              |          |               |          | ·              |
|  | 101<br>102<br>103<br>104<br>105<br>106                                    |          |  |          |  |              |          |               |          |                |
|  | 102   |          |  |          |  | _            |          |               |          | _              |
|  | 103   |          |  |          |  | -            |          |               |          | -              |
|  | 104   | Н        | -  |          |  |              | $\vdash$ | -             |          |                |
|  | 106   | _        |  |          |  |              | -        | _             |          |                |
|  | 107   |          |  |          |  |              |          |               |          | $\Box$         |
|  | 108<br>109<br>110   |          |  |          |  |              |          |               |          |                |
|  | 109   |          |  |          |  |              |          |               |          |                |
|  | 110   | _        |  |          | _  |              |          |               |          |                |
|  | 111   | H        | _  | $\vdash$ | -  | -            | $\vdash$ |               |          | -              |
|  | 113   |          |  | $\vdash$ | -  | -            |          | $\vdash$      | _        | $\vdash$       |
|  | 114   | $\vdash$ | $\vdash$   |          |  |              | H        | -             |          | $\dashv$       |
|  | 115   |          |  |          |  |              |          |               |          |                |
|  | 111<br>112<br>113<br>114<br>115<br>116<br>117                             |          |  |          |  |              |          |               |          |                |
|  | 117   |          |  | L        |  |              |          | _             |          |                |
| <u> </u>   | 118   | H        | <u> </u>   | _        |  |              | _        | ldash         |          | Щ              |
|  | 119   |          | <u> </u>   | $\vdash$ | -  | H            | _        | H             |          | $\vdash$       |
|  | 120   |          |  | -        | $\vdash$   | -            | $\vdash$ | $\vdash$      |          | $\vdash\vdash$ |
| -  | 122   | $\vdash$ | -  |          | -  |              |          | H             | -        | $\vdash$       |
|  | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | $\vdash$ | H  | H        | <u> </u>   |              |          | $\vdash$      | -        | $\vdash$       |
|  | 124   |          |  |          |  |              |          |               |          |                |
|  | 125   |          |  |          |  |              |          | L             |          |                |
|  | 126   | <u> </u> | L  |          |  | <u>L</u>     | <u> </u> | <u> </u>      | L        | Ш              |
|  | 127   | <b>-</b> | <u> </u>   | H        | <u> </u>   |              | ⊢        | $\vdash$      | $\vdash$ | $\vdash$       |
| <u> </u>   | 128   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$   | ┝            | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$       |
|  | 130   | $\vdash$ | -  | $\vdash$ | $\vdash$   | -            | -        | $\vdash$      | $\vdash$ | H              |
|  | 130<br>131  | $\vdash$ |  | H        | <del>                                     </del> | $\vdash$     | _        | $\vdash$      | Т        |                |
|  | 132   |          |  |          |  |              |          |               |          |                |
|  | 133<br>134<br>135<br>136  |          |  |          |  |              |          |               |          |                |
|  | 134   | <u> </u> | _  | _        |  |              | _        | _             |          | Щ              |
|  | 135   |          | <u> </u>   | _        | <u> </u>   |              |          | _             | <u> </u> | Щ              |
|  | 136   |          | <del> </del>                                     | $\vdash$ |  | <del> </del> | _        | -             | $\vdash$ | -              |
| $\vdash$   | 138   | $\vdash$ | $\vdash$   |          | -  | $\vdash$     |          |               | -        |                |
|  | 138<br>139  |          |  | T        |  | H            |          | $\vdash$      | _        |                |
|  | 140   |          |  |          |  |              |          |               |          |                |
|  | 141   | L.       |  |          |  |              |          |               |          |                |
|  | 142   |          |  |          |  | _            | <u> </u> | <u> </u>      |          |                |
|  | 143   | ļ        |  | ļ        | <u> </u>   | <u> </u>     | ļ        | _             | _        | <u> </u>       |
|  | 144   | <u> </u> | -  |          | -  | -            | $\vdash$ | $\vdash$      | -        | -              |
| <del> </del>                                     | 145<br>146  |          | $\vdash$   | <u> </u> | -  | -            | $\vdash$ | $\vdash$      | -        | $\vdash$       |
| <del>                                     </del> | 147   | ╁        | $\vdash$   | -        | -  | $\vdash$     | $\vdash$ | <del> -</del> | $\vdash$ | -              |
|  | 148   | <u> </u> | <del>                                     </del> | ┢        | ŀ  | <u> </u>     | ┢        | $\vdash$      | $\vdash$ | T              |
|  | 149   |          |  |          |  |              |          |               |          |                |
|  | 150   |          |  | <u> </u> |  |              |          |               |          |                |